**Supplementary**

# PHF10 subunit of PBAF complex mediates transcriptional activation by MYC

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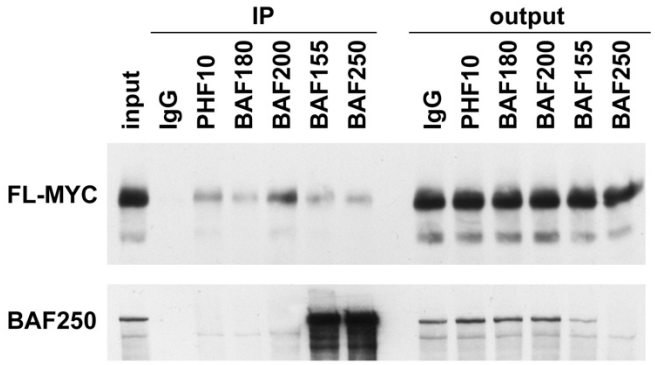


**Figure S1.** Interactions between MYC and chromatin remodeling complex determined by immunoprecipitation.

*Top*: Immunoprecipitation of recombinant FL-MYC by antibodies against PBAF-specific (PHF10, BAF180, BAF200), BAF-specific (BAF250) and the common core subunit BAF155 from HEK293T transiently transfected with FL-MYC construct.

*Bottom*: Precipitation of BAF250 by antibodies against BAF155 and BAF250 and depletion of BAF250 from cell lysates.

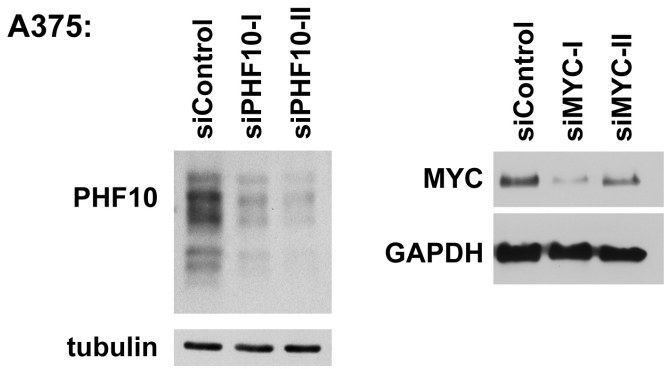


**Figure S2.** Knockdown of PHF10 and MYC in A375 cells using siRNA-I and siRNA-II.

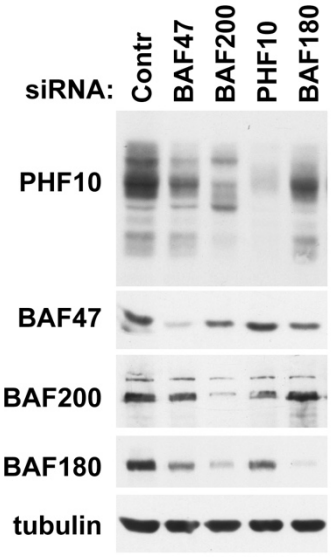


**Figure S3.** Decreased amounts of PHF10 upon siRNA knockdown of BAF47, BAF200, BAF180 and PHF10 in HEK293T cells.

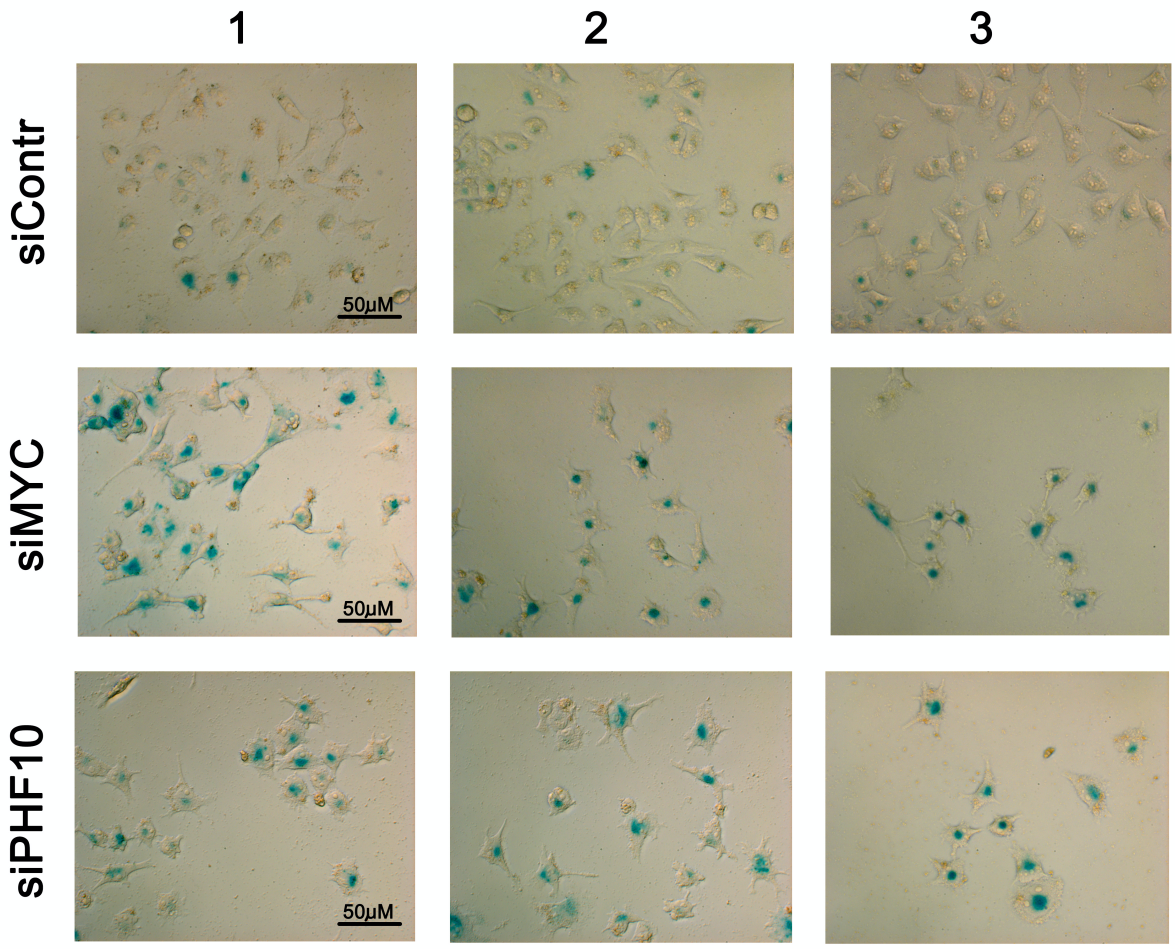


**Figure S4.** Senescence in A375 cells after knockdowns of PHF10 and MYC.
Shown is staining for SA-β-galactosidase. See Figure 8 for bigger view fields. Numbers indicate independent view fields.

**Table S1. Sequences of primers for cloning**

| Primer | Sequence |
|---|---|
| MYC-MB-I_for | 5'-GCGAGTTGCAGCCCCCGTCGAGCCGCCGCTCCGGACTCTGC |
| MYC-MB-I_rev | 5'-CGGGGGCTGCAACTCGCTCTGCTGCTGCTG |
| MYC-MB-II_for | 5'-TCATCAAAAACATCCTCGTCTCAGAGAAGCTGGC |
| MYC-MB-II_rev | 5'-GAGGATGTTTTTGATGAAGGTCTCGTC |
| MYC-MB-III_for | 5'-CGCCTCAGAGAACGACAGCAGCTCGCCC |
| MYC-MB-III_rev | 5'-TGTCGTTCTCTGAGGCGGCGGCGCTCAG |
| MYC-MB-IV_for | 5'-GCCACGTCTCCGCCAAGAGGGTCAAGTTGGAC |
| MYC-MB-IV_rev | 5'-CTCTTGGCGGAGACGTGGCACCTCTTGA |
| MYC-MB-CTD_for | 5'-GGAGAATGTCTAATCAGCCTCGACTGTGCCTT |
| MYC-MB-CTD_rev | 5'-AGGCTGATTAGACATTCTCCTCGGTGTCCG |
| MYC-wt(XhoI)_for | 5'-CCTCGAGCTGGATTTTTTTCGGGTAGTGG |
| MYC-wt(BamHI)_rev | 5'-GGGATCCGTCGACTTACGCACAAGAGTTCCGTAGC |

**Table S2. Sequences of siRNA**

| siRNA | Sequence |
|---|---|
| siControl_for | 5'- AGGUCGAACUACGGGUCAAdTdC |
| siControl_rev | 5'-UUGACCCGUAGUUCGACCUdAdG |
| siPHF10-I_for | 5'-CAGCAUUGCGCAGUGAUGAAGdTdT |
| siPHF10-I_rev | 5'-CUUCAUCACUGCGCAAUGCUGdTdT |
| siPHF10-II_for | 5'-AAGGUCAGUUCUUACCCAGUGdTdT |
| siPHF10-II_rev | 5'-CACUGGGUAAGAACUGACCUUdTdT |
| siMYC-I_for | 5'-CCUGAGACAGAUCAGCAACAdTdT |
| siMYC-I_rev | 5'-UGUUGCUGAUCUGUCUCAGGdTdT |
| siMYC-II_for | 5'-CCAGAGGAGGAACGAGCUAAdTdT |
| siMYC-II_rev | 5'-UUAGCUCGUUCCUCCUCUGGdTdT |

**Table S3. Primers for ChIP**

| Primer | Sequence |
|---|---|
| DDX18_for | 5'- CGTCTGGAAGCATTTCCGC |
| DDX18_rev | 5'- CTTACGCAGGAGTTTCATCGGC |
| APEX1_for | 5'- AGAGAATTAGAGGAGGGAGGCG |
| APEX1_rev | 5'- CGTTCAGACTGCCAGCGAAGC |
| NOV_for | 5'- CCACCCTCTGGGAAAAGCCA |
| NOV_rev | 5'- GTGGGGAAGTGGAACGAACC |
| EIF4E_for | 5'-GCCGATGGGTAGGGTGCG |
| EIF4E_rev | 5'-GGCAACTTGTCCTGGGACCTC |
| E2F1_for | 5'- AAGAGGTGGCTGATGGCTGG |
| E2F1_rev | 5'- GACGCTCCCGCATCCCACTG |
| TYMS_for | 5'- CCACTTGCTTCGGTTGCTTC |
| TYMS_rev | 5'- GCCTTCTCTAAGCCAGCAGCAC |
| ETS1_for | 5'- CAAGCCGACTCTCACCATCATC |
| ETS1_rev | 5'- CAACAGTCCTCCTCCTCCTCCTC |
| Control_for | 5'- CCTTTCCTTGGTTGCTCTGTGC |
| Control_rev | 5'- CAACAGTCCTCCTCCTCCTCCTC |

**Table S4. Primers for RT-PCR**

| Primer | Sequence |
|---|---|
| CycE2_for | 5'-TTACGTCACTGATGGTGCTTGC |
| CycE2_rev | 5'-GCCAGGAGATGATTGTTACAGG |
| ETS1_for | 5'- GCTGGACAGGAGATGGCTGG |
| ETS1_rev | 5'- CGCTGTCTTGTGGATGATGTT |
| E2F1_for | 5'- GACGTGTCAGGACCTTCGTAGC |
| E2F1_rev | 5'- ACGGTCTCCTCAGGGCACAG |
| E2F6_for | 5'-GCTCCAGCAGAAACCAGATTGG |
| E2F6_rev | 5'-CCGACACCTTCAGACCTTTTG |
| TYMS_for | 5'- CCTGAATCACATCGAGCCACTG |
| TYMS_rev | 5'- CATCCAGCCCAACCCCTAAA |
| APEX1_for | 5'-GACAAAGAGGCAGCAGGAGAGG |
| APEX1_rev | 5'-GAAGGCACAGTATATCTGGGGC |
| RPLP0_for | 5'-ACTGGAGACAAAGTGGGAGCC |
| RPLP0_rev | 5'-CAGACACTGGCAACATTGCG |
| MYC_for | 5'- CACCGAGTCGTAGTCGAGGT |
| MYC_rev | 5'- TTTCGGGTAGTGGAAAACCA |
| PHF10_for | 5'- CCGGGAACGCATGGAAGAAAG |
| PHF10_rev | 5'- CACCATCACTGTCTAGAGCAGGGAGC |